

## SEVERE LOCAL STORMS, NOVEMBER 1933

[Compiled by Mary O. Souder]

[The table herewith contains such data as have been received concerning severe local storms that occurred during the month. A revised list of tornadoes will appear in the Annual Report of the Chief of Bureau]

Place	Date	Time	Width of path (yards)	Loss of life	Value of property destroyed	Character of storm	Remarks	Authority
Hill and Blaine Counties, Mont.	2			1		Sleet	Sleet and icy roads caused numerous traffic accidents and 1 fatality.	Official, U.S. Weather Bureau.
Havre, Mont., and vicinity	2			1		Rain and sleet	Ice formed on trees and overhead wires; woman killed in automobile accident near Lohman because sleet and ice frozen on windshield obscured vision of the driver.	Do.
Harrisburg, Pa.	5-6	P.m.				Glaze	Ice accumulated on wires, trees, and shrubbery; no serious traffic difficulties experienced in the immediate vicinity of the city.	Do.
Buffalo, N.Y., and vicinity	9			1		Snow storm	Man killed when truck skidded off the road; auto and bus traffic impeded; on Lake Ontario 5 persons were rescued when a two-masted schooner went aground; depth of snow from 6 to 12 inches.	Do.
Do.	11			1		do	Snow 5 inches deep; boy killed and several persons injured in traffic accidents; due to low visibility, all airplane flights at the Buffalo Airport were canceled.	Do.
Northern Great Plains southward and eastward to the eastern Lake region and Appalachian Mountains.	12					Gale and dust	Severe damage by wind, dust, and electrical discharges; loss in South Dakota alone estimated to be several million dollars. An account of this storm will appear in a later issue of the MONTHLY WEATHER REVIEW.	Do.
Illinois, almost entire State	12			1		Severe dust storm	Storm lasted several hours; visibility affected making automobile driving hazardous; dust penetrated closely fitting doors and windows; at Belltown 1 death was the direct result when an autoist was blinded by the storm.	Do.
Des Moines, Iowa	12					Gale and dust	Atmosphere so laden with dust that at times the visibility was reduced to 50 feet; gale caused loss of life and considerable destruction of property by blowing down telephone, light, and street car poles, small buildings, fences and signs.	Do.
Minnesota, extreme southwestern and southern counties.	12					Dust, wind, and snow	Storm assumed blizzard proportions in some northwestern counties and traffic was delayed by drifted snow; at Pipestone the sun was entirely obscured at 1 p.m.; greatest destruction by wind occurred at Tracy when a steel hangar and 2 airplanes were wrecked and other property damaged; much minor damage to property occurred over the entire State.	Do.
Bismarck, N.Dak.	12	A.m.				Wind	Communication lines down; a man sustained a broken cheek bone when the high wind blew him through a fence; 3 airplanes ripped loose from their moorings and damaged at the Bismarck and Mandan airports.	Do.
South Dakota, entire State	12					Gale and dust	From sunrise to sunset high west to northwest winds, attaining gale force, swept the State, filling the air and sky with clouds of dust and dirt so dense over the eastern portion of the State that the light of an otherwise clear day was reduced to a twilight condition and the visibility at times to zero; automobile lights were necessary at mid-day; cars stalled with shorted ignition systems and high electrical charges accumulated on wire fencing making the opening and closing of wire gates a hazard; work of cleaning up after the storm was enormous; homes had to be given a thorough house cleaning and merchants had to clean each item of stock.	Do.
Wyoming, southeastern portion of State.	12					Wind	Automobile windshields were badly pitted by blowing sand; small seedling pines were stripped of bark on the windward side.	Do.
Indianapolis, Ind.	12-13	10:30 p.m.-2:15 a.m.				Dust storm	Exposed surfaces were covered with a thin layer of dust and automobiles moving over paved streets left distinct tracks in the dust; pedestrians' clothes were covered with dust and grit, dust getting into eyes, mouth, and nostrils; distinct odor resembling that of a smoking stove accompanied the dust cloud.	Do.
Tennessee, entire State	13	8 a.m.				Severe dust and wind	The air was thick with dust, the sun's disk was faintly visible; dust very thin by sunset and disappeared by midnight; surface visibility reduced to one half mile.	Do.
Buffalo, N.Y.	13	9 a.m.				Dust and mist	Every exposed window glass in the city became soiled with yellowish brown dust; deposit especially noticeable on automobiles.	Do.
Charleston, S.C.	13	P.m.		1		Thundersquall	2 small cargo boats capsized in harbor; man drowned while trying to swim to shore.	Do.
Buffalo, N.Y., and vicinity	14			3		Snow	Several persons injured in accidents; traffic somewhat retarded; over 6 inches of snow fell, this being the third snow storm within a week; freighter bound for Buffalo went aground 12 miles west of Long Point on Lake Erie; arrival of other freighters delayed from 8 to 14 hours.	Do.
Oxford, Ala., 5 miles south	21	6:10-6:15 p.m.	35		\$2,500	Tornado	Damage to the Civilian Conservation Camp estimated to be \$2,500; 9 persons injured.	Do.
Princeton, Ill.	29	P.m.	1,760		70,000	Hail	Damage principally to windows and greenhouses; path several miles long.	Do.
LATE REPORT								
Oct. 11, 1933								
Cold Springs, Okla., and vicinity.	11			18	10,000	Heavy hail	The size of hailstones varied from that of small marbles to baseballs; considerable damage, principally to unpicked cotton, reported.	Do.

<sup>1</sup> Miles instead of yards.